



MICROSCOPES



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Research Metallurgical Microscope IMM-3000 Series is used to view samples that will fit on the microscope stage and it is the most common type of metallurgical microscope. This series comprises an infinite optical system and an illumination system.

Research Metallurgical Microscope IMM-3100 Series

Research Metallurgical Microscope IMM-3100 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance infinite LWD plan achromatic metallurgical: 5X/ 0.15/∞/ 0 (BF)-10.80 mm, 10X/ 0.30/∞/ 0 (BF)-10.0 mm-20X/ 0.45/∞/ 0 (BF)-4.00 mm, 50X/ 0.55/∞/ 0 (BF)-7.90 mm, 100X/ 0.80/∞/ 0 (BF)-2.10 mm objective. Adjustable 5W reflected and transmitted LED lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, N.A.0.9 swing-out achromatic condenser for transmitted frame, with center adjustable aperture iris diaphragm. The trinocular viewing head with high point wild field PL10X22 mm eyepieces fitted with 54-75 mm interpupillary distance as standard. Yellow/neutral/IF550/LBD filter for transmitted light. Designed with transmitted and reflected frame focusing.



- Infinite LWD Plan Achromatic Metallurgical objective
- Adjustable reflected frame, coaxial focus system with tension adjustment and up-limited device, moving range: 28 mm, fine precision: 0.002mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage to facilitates sample observations of length 175×145mm, moving range: 76×42mm
- High point wild field PL10X22mm eyepieces
- 12V/50W Halogen reflected light source
- Different filters Blue filter with optional: Green/ Amber/ Grey filters
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 54 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories Yellow/neutral/IF550/LBD filter for transmitted light, Digital camera adapter, C-mount adapter, 3.2X photo eyepiece, Photo tube with PK or MD mount for DSLR camera, Relay lens, Interference filter for reflected light: Blue filter ≤ 480nm; Green filter 520-570 nm; Red filter 630-750 nm; White balance filter, High precision micrometer, scale value 0.01mm

Research Metallurgical Microscope IMM-3200 Series

Research Metallurgical Microscope IMM-3200 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance infinite plan achromatic: 5X/0.12/ ∞ -(BF)-15.5 mm, 10X/ 0.25/ ∞ -(BF&DF)- 10.0 mm, 20X/ 0.4/ ∞ /0(BF&DF)-4.3 mm, 50X/ 0.75/ ∞ /0(BF)-0.32 mm, 100X/ 0.8/ ∞ /0(BF)-2 mm objective. Adjustable 24V/100W Halogen lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, Swing-out condenser NA0.9/ 0.25, with center adjustable aperture iris diaphragm. The trinocular viewing head with extra wide field EW10X22 mm eyepieces fitted with 48-75 mm interpupillary distance as standard. Blue with optional ND25, ND6 filters. Designed with coaxial coarse and fine adjustment focusing.



- Infinite Plan Achromatic Metallurgical objective
- Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage(without hole) to facilitates sample observations of length 186×138mm/ 74×50mm with optional: Glass specimen preparation plate
- Extra wide field EW10×22mm eyepieces
- 24V/100W Halogen light source
- Different filters Blue filter with optional ND25, ND6
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories Specimen Presser, Photo Attachment, Video Attachment, C-mount 1X, 0.5X

Research Metallurgical Microscope IMM-3300 Series

Research Metallurgical Microscope IMM-3300 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance infinite plan achromatic: 5X/ 0.12/ ∞ -(BF&DF)-12 mm, 10X/ 0.25/ ∞ -(BF&DF)-10.0 mm, 20X/ 0.4/ ∞ / 0 (BF&DF)-4.3 mm objective. Adjustable 24V/100W Halogen lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, Swing-out condenser NA0.9/ 0.25, with center adjustable aperture iris diaphragm. The trinocular viewing head with extra wild field EW10X22 mm eyepieces fitted with 48-75 mm interpupillary distance as standard. Blue with optional ND25, ND6 filters. Designed with coaxial coarse and fine adjustment focusing.



- Infinite Plan Achromatic Metallurgical objective
- Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage(without hole) to facilitates sample observations of length 186×138mm/ 74×50mm with optional: Glass specimen preparation plate
- Extra wild field EW10×22mm eyepieces
- 24V/100W Halogen light source
- Different filters Blue filter with optional ND25, ND6
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories Specimen Presser, Photo Attachment, Video Attachment, C-mount 1X, 0.5X

Accessories



Research Metallurgical Microscope IMM-3400 Series

Research Metallurgical Microscope IMM-3400 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance infinite plan achromatic: 5X/ 0.12/ ∞ / - (BF)-15.5 mm, 10X/ 0.25/ ∞ /-(BF)-10.0 mm, 20X/ 0.4/ ∞ / 0 (BF)-5.8 mm, 50X/ 0.75/ ∞ / 0 (BF)- 0.32 mm, 100X/ 0.8/ ∞ / 0 (BF)-2.0 mm objective. Adjustable 40W LED reflected lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source. The trinocular viewing head with extra wild field EW10X22 mm eyepieces fitted with 48-75 mm interpupillary distance as standard. Blue, Green, Yellow and Frosted filters. Designed with coaxial coarse and fine adjustment focusing.



- Infinite Plan Achromatic Metallurgical objective
- Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage(without hole) to facilitates sample observations of length 186×138mm/ 74×50mm with optional: Glass specimen preparation plate
- Extra wild field EW10x22mm eyepieces
- 40W LED Reflected light source as an optional accessories
- Different filters Blue, Green, Yellow and Frosted filter
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories Specimen Presser, Photo Attachment for Nikon or Canon DSLR camera, Video Attachment, C-Mount 1X, 0.5X

Research Metallurgical Microscope IMM-3500 Series

Research Metallurgical Microscope IMM-3500 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working bright & dark field semi-apochromatic metallurgical: 5X, NA=0.10-13.5 mm, 10X, NA=0.30-9 mm, 20X, NA=0.50- 2.5mm,. 50X, NA=0.80-1.0 mm, 100X, NA=0.90-1.0 mm objective. Adjustable 12V/100W Halogen lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, Swing-out condenser NA0.9/ 0.25, with center adjustable aperture iris diaphragm. The trinocular viewing head with high point wild field PL10X25 mm eyepieces fitted with 50-76 mm interpupillary distance as standard. LBD/ND6/ND25 filters. Designed with coaxial coarse and fine adjustment focusing.



- Bright & Dark Field Semi-Apochromatic Metallurgical objective, and quintuple nosepiece
- Infinite Plan Achromatic Metallurgical objective
- Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 30mm
- Offer stages that are designed to move small sample slides or entire microscopes including 4 inch three layers mechanical stage with glass plate to facilitates sample observations of length 102x105 mm
- High point wild field PL10X25 mm, diopter adjustable eyepieces
- 12V/100W halogen light source
- Different filters LBD/ND6/ND25filter
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 50 to 76 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with color corrected infinite optical system
- Optional accessories Camera adapter: 0.5X focusing C-mount, Fixed polarizer, fixed analyzer, 360° rotatable analyzer, DIC attachment, Interference filters for reflected light, High precision micrometer, scale value 0.01mm

Accessories



DIC

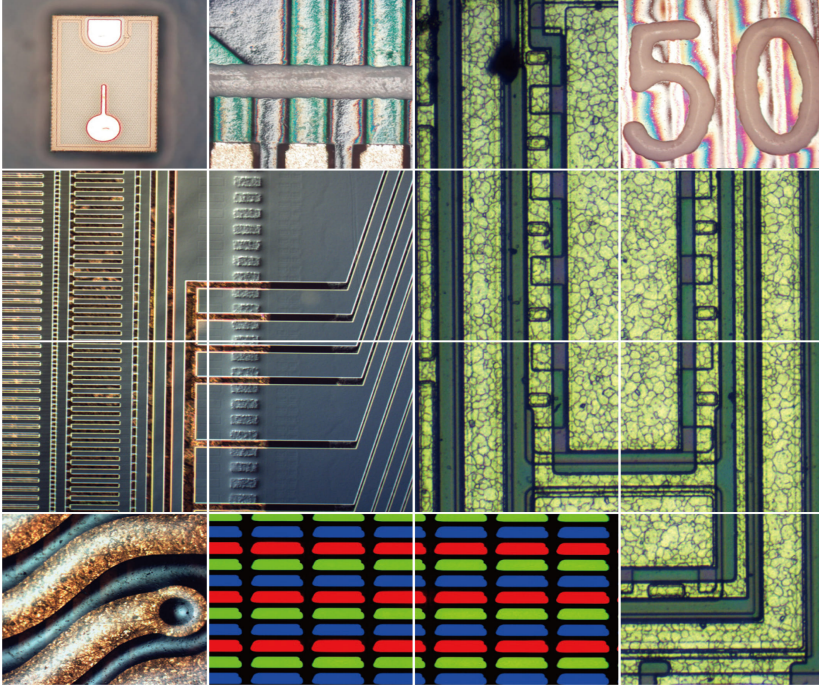


Nosepiece



Polarizing attachment

Sample Images



Unit Dimension(mm)

